

DERWENT-ACC-NO: 2001-041964  
DERWENT-WEEK: 200225  
COPYRIGHT 1999 DERWENT INFORMATION LTD

TITLE: Current carrying connection element for high  
temperature superconductor  
thin film in resistive current limitation device for switch  
gear - has high  
temperature superconductive tapes with curved cross-section  
adapted to spacing  
of plate conductors of thin films

INVENTOR: STELZER, A

PATENT-ASSIGNEE: SIEMENS AG[SIEI]

PRIORITY-DATA: 1999DE-1028324 (June 16, 1999)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN=IPC	
DE 19928324 A1	December 21, 2000	N/A
004	H01R 004/68	
EP 1186060 A1	March 13, 2002	G
000	H01L 039/16	
WO 200077864	December 21, 2000	G
000	H01L 039/16	
A1		

DESIGNATED-STATES: AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LU MC NL PT SE CA J  
P US AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 19928324A1	N/A	1999DE-1028324
June 16, 1999		
EP 1186060A1	N/A	2000EP-0951214
June 14, 2000		
EP 1186060A1	N/A	2000WO-DE01909
June 14, 2000		
EP 1186060A1	Based on	WO 200077864
N/A		

BEST AVAILABLE COPY

WO

N/A

2000WO-DE01909

June 14, 2000

200077864A1

INT-CL (IPC): H01L035/16; H01L039/16 ; H01R004/68 ;  
H02H009/02

ABSTRACTED-PUB-NO: DE 19928324A

BASIC-ABSTRACT: The current carrying connection elements electrically connect at least two plate conductors. The plate conductors have electrical contact surfaces for current supply lines. The current connection elements are formed by high temperature superconductive tapes. The tapes are electrically connected to high temperature superconductor thin films via a force- or material-based connection.

The high temperature superconductive tapes have a curved cross-section adapted to the spacing of the plate conductors of thin films to be connected to each other.

USE - Switch equipment for electrical power supply and distribution.

ADVANTAGE - Connection elements are improved w.r.t. undesired heating of coolant, so that they can be used in high current current-limiting devices.

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS:

CURRENT CARRY CONNECT ELEMENT HIGH TEMPERATURE  
SUPERCONDUCTING THIN FILM

RESISTOR CURRENT LIMIT DEVICE SWITCH GEAR HIGH TEMPERATURE  
SUPERCONDUCTING TAPE

CURVE CROSS SECTION ADAPT SPACE PLATE CONDUCTOR THIN FILM

DERWENT-CLASS: U14 U24 V04 X13

EPI-CODES: U14-F02C; U24-F02; V04-A10; X13-C03; X13-C03B1;

SECONDARY-ACC-NO:

**BEST AVAILABLE COPY**